

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1 1. (previously presented) A method for providing stream linking in audio/video disk media, comprising:
 - 3 when additional reading or writing locations in streams are desired in which each 4 stream of locations is a range of addresses on disk media for storing Audio/Video Data in 5 a contiguous area, sending a linked stream request with a number of a primary stream;
 - 6 initiating a linked stream that is linked to the primary stream;
 - 7 setting a pointer for the linked stream to the same location as a pointer for the 8 primary stream; and
 - 9 during operation, processing the pointers for both the linked stream and the 10 primary stream.

- 1 2. (original) The method of claim 1 wherein the setting of a pointer for the 2 linked stream to the same location as a pointer for the primary stream further comprises 3 setting a read audio/video pointer for the linked stream to the same location as the read 4 audio/video pointer of the primary stream.

- 1 3. (original) The method of claim 1 wherein the linked stream inherits a 2 beginning and ending address from the primary stream.

- 1 4. (original) The method of claim 1 wherein the linked stream and the primary 2 stream each include a read audio/video pointer and a write audio/video pointer.

- 1 5. (original) The method of claim 4 wherein a passed pointer warning is set 2 when the linked stream read AV pointer passes the primary stream write AV pointer.

- 1 6. (original) The method of claim 1 wherein a stream may not be linked to a 2 linked stream.

1 7. (original) The method of claim 1 wherein the linked stream is disabled when
2 the primary stream is disabled.

1 8. (original) The method of claim 1 wherein the linked stream and the primary
2 stream may be read and written to simultaneously.

1 9. (previously presented) The method of claim 8 wherein the linked stream and
2 the primary stream each include a read audio/video pointer and a write audio/video
3 pointer.

1 10. (original) The method of claim 9 wherein the read audio/video pointer
2 points to the next sector to read from and the write audio/video pointer points to the next
3 sector to write to.

1 11. (original) The method of claim 1 further including moving the pointers with
2 a command.

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2 12-44. (cancelled).

1 45. (new) A remote multimedia server, comprising:
2 a mass storage library for storing a plurality of multimedia programs each
3 segmented into at least one audio/video stream;
4 transmission means for transmitting the at least one audio/video stream to a
5 communication channel; and a local media control system, comprising:
6 a direct access storage device including at least one data storage disk; and a
7 controller for processing the coordinating writing of the at least one audio/video stream
8 received from the communication channel to the data storage disk, and for coordinating
9 reading of the at least one audio/video stream from the data storage disk, the controller
10 providing stream linking in audio/video disk media by sending a linked stream request
11 with a number of a primary stream when additional reading or writing locations in

12 streams are desired in which each stream of locations is a range of addresses on disk
13 media for storing Audio/Video Data in a contiguous area, initiating a linked stream that is
14 linked to the primary stream, setting a pointer for the linked stream to the same location
15 as a pointer for the primary stream, and, during operation, processing the pointers for
16 both the linked stream and the primary stream.

1 46. (new) The remote multimedia server of claim 45 wherein the setting of a
2 pointer for the linked stream to the same location as a pointer for the primary stream
3 further comprises setting a read audio/video pointer for the linked stream to the same
4 location as the read audio/video pointer of the primary stream.

1 47. (new) The remote multimedia server of claim 45 wherein the linked stream
2 inherits a beginning and ending address from the primary stream.

1 48. (new) The remote multimedia server of claim 45 wherein the linked stream
2 and the primary stream each include a read audio/video pointer and a write audio/video
3 pointer.

1 49. (new) The remote multimedia server of claim 48 wherein a passed pointer
2 warning is set when the linked stream read AV pointer passes the primary stream write
3 AV pointer.

1 50. (new) The remote multimedia server of claim 45 wherein a stream may not
2 be linked to a linked stream.

1 51. (new) The remote multimedia server of claim 45 wherein the linked stream
2 is disabled when the primary stream is disabled.

1 52. (new) The remote multimedia server of claim 45 wherein the linked stream
2 and the primary stream may be read and written to simultaneously.

1 53. (new) The remote multimedia server of claim 52 wherein the linked stream
2 and the primary stream each include a read audio/video pointer and a write audio/video
3 painter.

1 54. (new) The remote multimedia server of claim 53 wherein the read
2 audio/video pointer points to the next sector to read from and the write audio/video
3 pointer points to the next sector to write to.

1 55. (new) The remote multimedia server of claim 45 further including moving
2 the pointers with a command.

1 56. (new) A direct access storage device, comprising: at least one data storage
2 disk; and a controller for processing the coordinating writing of the at least one
3 audio/video stream received from the communication channel to the data storage disk,
4 and for coordinating reading of the at least one audio/video stream from the data storage
5 disk, the controller further providing stream linking in audio/video disk media by sending
6 a linked stream request with a number of a primary stream when additional reading or
7 writing locations in streams are desired in which each stream of locations is a range of
8 addresses on disk media for storing Audio/Video Data in a contiguous area, initiating a
9 linked stream that is linked to the primary stream, setting a pointer for the linked stream
10 to the same location as a pointer for the primary stream, and, during operation, processing
11 the pointers for both the linked stream and the primary stream.

1 57. (new) The direct access storage device of claim 56 wherein the setting of a
2 pointer for the linked stream to the same location as a pointer for the primary stream
3 further comprises setting a read audio/video pointer for the linked stream to the same
4 location as the read audio/video pointer of the primary stream.

1 58. (new) The direct access storage device of claim 56 wherein the linked
2 stream inherits a beginning and ending address from the primary stream.

1 59. (new) The direct access storage device of claim 56 wherein the linked
2 stream and the primary stream each include a read audio/video pointer and a write
3 audio/video pointer.

1 60. (new) The direct access storage device of claim 59 wherein a passed pointer
2 warning is set when the linked stream read AV pointer passes the primary stream write
3 AV pointer.

1 61. (new) The direct access storage device of claim 56 wherein a stream may
2 not be linked to a linked stream.

1 62. (new) The direct access storage device of claim 56 wherein the linked
2 stream is disabled when the primary stream is disabled.

1 63. (new) The direct access storage device of claim 56 wherein the linked
2 stream and the primary stream may be read and written to simultaneously.

1 64. (new) The direct access storage device of claim 63 wherein the linked
2 stream and the primary stream each include a read audio/video pointer and a write
3 audio/video pointer.

1 65. (new) The direct access storage device of claim 64 wherein the read
2 audio/video pointer points to the next sector to read from and the write audio/video
3 pointer points to the next sector to write to.

1 66. (new) The direct access storage device of claim 56 further including
2 moving the pointers with a command.

1 67. (new) An article of manufacture comprising a program storage medium
2 readable by a computer, the medium tangibly embodying one or more programs of

3 instructions executable by the computer to perform a method for providing stream linking
4 in audio/video disk media, the method comprising:
5 when additional reading or writing locations in streams are desired in which each
6 stream of locations is a range of addresses on disk media for storing Audio/Video Data in
7 a contiguous area, sending a linked stream request with a number of a primary stream;
8 initiating a linked stream that is linked to the primary stream;
9 setting a pointer for the linked stream to the same location as a pointer for the
10 primary stream; and
11 during operation, processing the pointers for both the linked stream and the
12 primary stream.

1 68. (new) The article of manufacture of claim 67 wherein the setting of a
2 pointer for the linked stream to the same location as a pointer for the primary stream
3 further comprises setting a read audio/video pointer for the linked stream to the same
4 location as the read audio/video pointer of the primary stream.

1 69. (new) The article of manufacture of claim 67 wherein the linked stream
2 inherits a beginning and ending address from the primary stream.

1 70. (new) The article of manufacture of claim 67 wherein the linked stream and
2 the primary stream each include a read audio/video pointer and a write audio/video
3 pointer.

1 71. (new) The article of manufacture of claim 70 wherein a passed pointer
2 warning is set when the linked stream read AV pointer passes the primary stream write
3 AV pointer.

1 72. (new) The article of manufacture of claim 67 wherein a stream may not be
2 linked to a linked stream.

1 73. (new) The article of manufacture of claim 67 wherein the linked stream is
2 disabled when the primary stream is disabled.

1 74. (new) The article of manufacture of claim 67 wherein the linked stream and
2 the primary stream may be read and written to simultaneously.

1 75. (new) The article of manufacture of claim 74 wherein the linked stream and
2 the primary stream each include a read audio/video pointer and a write audio/video
3 pointer.

1 76. (new) The article of manufacture of claim 75 wherein the read audio/video
2 pointer points to the next sector to read from and the write audio/video pointer points to
3 the next sector to write to.

1 77. (new) The article of manufacture of claim 67 further including moving the
2 pointers with a command.